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SCALABLE Network Technologies Awarded Contract to Advance Cyber Attack Testing for Military Networks

– StealthNet synthetically recreates the net-centric test battlespace to provide real-time, hardware-in-the-loop testing of cyber threats –

Los Angeles, CA (18 August 2010) -- SCALABLE Network Technologies, Inc. (SCALABLE), the leader in communications simulation technology, announced today that the company was awarded a project from the Test & Evaluation / Science & Technology Program at the Test Resource Management Center, which reports directly to the Under Secretary for Defense for Acquisition, Technology, and Logistics. Named StealthNet, the project provides a real-time, hardware-in-the-loop capability for simulation of cyber threats to the entire net-centric infrastructure. This new capability is designed to address an existing gap in the Department of Defense (DOD) testing infrastructure to realistically test the vulnerabilities and resilience of Blue Force communications against sophisticated cyber attacks. This is particularly relevant in networks that include both Current Force and Future Force networks spanning ground, air and satellite components. StealthNet will provide the fundamental science and technology advances to mitigate this gap and includes a transition plan for the resulting capability to be incorporated in the testing infrastructure of the US Army.

SCALABLE will design, prototype and demonstrate StealthNet's capability to stimulate Blue Force tactical and Global Information Grid (GIG)-based communication networks with a diverse set of cyber threats in a Live, Virtual and Constructive (LVC) environment. In addition, the company will evaluate the effectiveness of the threats in disrupting Blue Force communications via key performance indicators, i.e. bandwidth, reliability, delay and quality of service metrics. StealthNet will leverage existing TRL-3 and TRL-4 research on information operations into a comprehensive and modular TRL-6 cyber warfare simulation capability that can be incorporated into the net-centric battlespace testing environment.

"Current simulations supporting the net-centric test battlespace do not accurately represent the impact of cyber threats and information operations," said Dr. Rajive Bagrodia, CEO of SCALABLE. "StealthNet will help mitigate the risks that deployed net-centric systems will fail in unpredictable ways. It will also help develop and test cyber defense strategies that will be effective in protecting Blue Force communications. The fundamental Science & Technology that will be advanced with this project addresses a vulnerability gap of high importance for the test & training communities."

Given the importance of net-centricity as the evolving doctrine for the next generation of US DOD, Department of Homeland Security, US Cyber Command and intelligence agency programs, new modeling, planning & management, and test & evaluation tools are required to ensure network operability and accuracy. SCALABLE's emulation technology provides a less costly and substantially more effective environment for analysis and evaluation of net-centric protocols, applications, devices, services, and training systems.

For more information on SCALABLE solutions, contact the company at info@scalable-networks.com or call +1.310.703.1335.

About SCALABLE Network Technologies

Based in Los Angeles, California, SCALABLE develops simulation software to model large, sophisticated communications networks and train personnel on cyber warfare. SCALABLE solutions enable network planners to design better comms, IT specialists to manage better comms, and users to better operate comms.

SCALABLE also provides custom software solutions and engineering support services to major aerospace and defense contractors, the US Department of Defense, mobile network operators, research agencies and universities around the world.

More information on the company is available at scalable-networks.com.

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